

009387



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

C10-OH
Job Sheet OH192596



Part No: C10-OH

Job Qty: 1 pcs

Part Name: C-Series Remote Hook 10,000 lbs Lift Capacity



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 3/28/19

Job Tracking No: RA639

Due Date: 5/23/19

Created By: Jennifer Renwick

Type: Rework - OH

Description: RA639 / Order 14660 / Orig#
3476-01

Note: O&OPM-C10 REV.4 IPP REV:A 18.01.30 NEW ISSUE DD VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs		
110	External Load - 1	1 pcs		5/23/19	0.00	1.00	External Load - 1	AP
							External Load - 2	✓
							External Load - 3	✓
120	QC 5	1 pcs		5/23/19	0.00	0.00	QC5	✓
130	Customer Acceptance	1 pcs		5/23/19	0.00	0.00		✓
140	Outsource - 2 - NDT per QSI038	1 pcs		5/23/19			SKY002-VC 5	✓
141	Packaging 2-1 - Receive - B4B	1 pcs		5/23/19	0.00	0.00	Packaging 2 - 5 - B4B	✓
142	QC 6	1 pcs		5/23/19	0.00	0.33	QC 6 - 9	✓
							QC 6 - 68	
							QC 6 - 61	
143	External Load - 2 - B4B	1 pcs		5/23/19	0.00	0.00	External Load - 1 - B4B →	AP
							External Load - 2 - B4B	
							External Load - 3 - B4B	
145	QC 5	1 pcs		5/23/19	0.00	0.00	QC 5 - 10	
							QC 5 - 12	
							QC 5 - 17	
							QC 5 - 18	
							QC 5 - 19	
							QC 5 - 22	
							QC 5 - 24	
							QC 5 - 3	
							QC 5 - 43	
							QC 5 - 49	
							QC 5 - 51	
							QC 5 - 58	
							QC 5 - 68	
							QC 5 - 9	



Container No: S167197



Part: C10

Job No: OH192596

Serial No/Batch: S167197

Revision: 4

Inspector:

Exp Date:

Instructions:

Dart Aerospace Ltd.
1270 Aberdeen Street
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CANADA
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Date: 04/22/19

Plex 4/22/19 1:16 PM Dart.Hadley.Shannon

DAS
68
APR 22 2019
9-89

			QC 5 - 50		
			QC 5 - 30		
			QC 5 - 40		
150	Outsource - 15 - Nickel Plate	1 pcs	5/23/19	GRO002-VC	04/22/2019
152	Packaging 2-2 - Receive - B4B	1 pcs	5/23/19	0.00 0.00	
			Packaging 2 - 1 - B4B		
			Packaging 2 - 2 - B4B		
			Packaging 2 - 3 - B4B		
			Packaging 2 - 5 - B4B		
			Packaging 2 - 4 - B4B		
			Packaging 2 - 6 - B4B		
			Packaging 2 - 7 - B4B		
			Packaging 2 - 8 - B4B		
			Packaging 2 - 9 - B4B		
			Packaging 2 - 10 - B4B		
			Packaging 2 - 11 - B4B		
			Packaging 2 - 12 - B4B		
			Packaging 2 - 13 - B4B		OP APR 22 2019
			Packaging 2 - 14 - B4B		
			Packaging 2 - 15 - B4B		
			Packaging 2 - 16 - B4B		
			Packaging 2 - 17 - B4B		
			Packaging 2 - 18 - B4B		
			Packaging 2 - 19 - B4B		
			Packaging 2 - 20 - B4B		
			Packaging 2 - 21 - B4B		
			Packaging 2 - 22 - B4B		
			Packaging 2 - 23 - B4B		
			Packaging 2 - 24 - B4B		
			Packaging 2 - 25 - B4B		
			Packaging 2 - 26 - B4B		
			Packaging 2 - 27 - B4B		
			Packaging 2 - 28 - B4B		
			Packaging 2 - 29 - B4B		
			Packaging 2 - 30 - B4B		
			Packaging 2 - 31 - B4B		
			Packaging 2 - 32 - B4B		
			Packaging 2 - 33 - B4B		
			Packaging 2 - 34 - B4B		
			Packaging 2 - 35 - B4B		
			Packaging 2 - 36 - B4B		
160	QC 6	1 pcs	5/23/19	0.00 0.00	
			QC 6 - 9		DAS
			QC 6 - 68		APR 22 2019 68
			QC 6 - 61		9-89
			QC 6 - 40		
165	External Load - 3 - B4B	1 pcs	5/23/19	0.00 1.00	
			External Load - 1 - B4B		AP 2019/05/07
			External Load - 2 - B4B		Michel
			External Load - 3 - B4B		
			Small Fab - 1 - B4B		
			Small Fab - 2 - B4B		
			Small Fab - 3 - B4B		
			Small Fab - 4 - B4B		
			Small Fab - 5 - B4B		
			Small Fab - 6 - B4B		
			Small Fab - 7 - B4B		
180	QC 5	1 pcs	5/23/19	0.00 0.00	
			QC 5 - 10		
			QC 5 - 12		
			QC 5 - 17		
			QC 5 - 18		

					QC 5 - 19	
					QC 5 - 22	
					QC 5 - 24	
					QC 5 - 3	
					QC 5 - 43	
					QC 5 - 49	
					QC 5 - 51	
					QC 5 - 58	
					QC 5 - 68	
					QC 5 - 9	
					QC 5 - 50	DAS 30 MAY 7 2019
					QC 5 - 30	9-89
					QC 5 - 40	
185	DC - 1 - B4B	1	5/23/19	0.00 0.00	DC - 1 - B4B	DAS 30 MAY 7 2019
		pcs			DC - 2 - B4B	
190	Packaging 3-2 - Stock - B4B	1	5/23/19	0.00 0.00	Packaging 3 - 1 - B4B	
		pcs			Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	
					Packaging 3 - 7 - B4B	
					Packaging 3 - 8 - B4B	
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	DAS 30 MAY 7 2019
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
200	QC 21 - FG	1	5/23/19	0.00 0.00	QC 21 - FG - 21	DAS 21 MAY 7 2019
		pcs			QC 21 - FG - 70	9-89
					QC 21 - FG - 53	

Part Op 110 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART.

Descriptions: 120 - (QC5- Inspect part completeness to step on W/O)

140 - ISSUE P/O: _____ C OF C IS REQUIRED

141 - (Receive & Inspect for Damage & Mat'l Certs)

142 - Triage parts to be sent out for plating

143 - Prepare for nickel plate

ple

150 - Issue P/O; 043200 -Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004- .0006 -Bake after plating -Material type; 4140 -Certificate of Conformity is required
 165 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.
 180 - (QC5- Inspect part completeness to step on W/O)
 185 - Photocopy blue file and create labels
 190 - (Identify as per dwg & Stock Location: _____)
 200 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
C10-AR	C-Series Remote Hook 10,000 lbs Lift Capacity	1 Ea (1 ea)	110-External Load - 1	
188-FPSS-1/4-20-3/8	Set Screw	2 Ea (2 ea)	165-External Load - 3 - B4B	<u>5048557-1</u>
188-FPSS-1032-1/4	Set Screw	2 Ea (2 ea)	165-External Load - 3 - B4B	<u>5073061</u>
188-SHCS-1032-3/4	Bolt	* 8 Ea (8 ea)	165-External Load - 3 - B4B	<u>5049355</u>
2595K2	Heat Shrink	1 ft (1 ea)	165-External Load - 3 - B4B	<u>5049360</u>
32446	Crimp Terminal	2 Ea (2 ea)	165-External Load - 3 - B4B	
32448	16-14 AWG Knife Connector	2 Ea (2 ea)	165-External Load - 3 - B4B	<u>5151100</u>
600.1309	CANAM Plate ID Label	1 pcs (1 ea)	165-External Load - 3 - B4B	
✓ 600.1347	C10 Warning Label	1 pcs (1 ea)	165-External Load - 3 - B4B	<u>5092299</u>
AN4-23A	Bolt	2 Ea (2 ea)	165-External Load - 3 - B4B	<u>F123434-1</u>
AN6-31A	Bolt	6 Ea (6 ea)	165-External Load - 3 - B4B	<u>5090806</u>
C10-1	Side Plate Solenoid Side	1 pcs (1 ea)	165-External Load - 3 - B4B	
C10-10-1	Actuator Shaft	1 pcs (1 ea)	165-External Load - 3 - B4B	
P C10-10-2 P	Actuator Pin	1 pcs (1 ea)	165-External Load - 3 - B4B	<u>5029190</u>
C10-10-3	Actuator Bushing	2 pcs (2 ea)	165-External Load - 3 - B4B	<u>5163209</u>
* C10-11 OK	Manual Release Knob	1 pcs (1 ea)	165-External Load - 3 - B4B	<u>5102125</u>
C10-12 OK	Solenoid	1 pcs (1 ea)	165-External Load - 3 - B4B	<u>5103938</u>
C10-12-0	Solenoid <i>NIA</i>	1 pcs (1 ea)	165-External Load - 3 - B4B	
C10-12-1	Spring Pin <i>NIA</i>	1 pcs (1 ea)	165-External Load - 3 - B4B	
C10-2	Side Plate - MRK	1 pcs (1 ea)	165-External Load - 3 - B4B	
C10-21-1	Clock Spring	2 pcs (2 ea)	165-External Load - 3 - B4B	
C10-21-2	Spring Cover	2 pcs (2 ea)	165-External Load - 3 - B4B	
C10-21-4	Lock Washer	8 Ea (8 ea)	165-External Load - 3 - B4B	<u>5089140</u>
C10-22	Lock Bumper	3 pcs (3 ea)	165-External Load - 3 - B4B	<u>51447495</u>
✓ C10-23	Keeper Weldment	1 pcs (1 ea)	165-External Load - 3 - B4B	<u>165802</u>
G10-23-1	Keeper Spacer	1 pcs (1 ea)	165-External Load - 3 - B4B	
C10-23-2	Keeper Spring	1 pcs (1 ea)	165-External Load - 3 - B4B	<u>5060601</u>
C10-23-3 P	Keeper Bushing	2 pcs (2 ea)	165-External Load - 3 - B4B	<u>5029201</u>
* C10-3	Load Beam Bumper	1 pcs (1 ea)	165-External Load - 3 - B4B	* <u>5085088</u>
C10-4	Lock	1 pcs (1 ea)	165-External Load - 3 - B4B	

C10-4-10	Spring Anchor Pin	2 pcs (2 ea)	165-External Load - 3 - B4B	5068047
C10-4-11	Lock Shaft	1 pcs (1 ea)	165-External Load - 3 - B4B	
P C10-4-2 POK	Lower Lock Roller	1 pcs (1 ea)	165-External Load - 3 - B4B	5029210
C10-4-3 OK	Upper Lock Roller	1 pcs (1 ea)	165-External Load - 3 - B4B	5074220
C10-4-4	Upper Lock Roller Shaft	1 pcs (1 ea)	165-External Load - 3 - B4B	
P C10-4-5 POK	Lower Lock Roller Shaft	1 pcs (1 ea)	165-External Load - 3 - B4B	5029214
C10-4-6	Lock Spring	1 pcs (1 ea)	165-External Load - 3 - B4B	5068048
C10-4-7	Spring Retaining Pin	1 pcs (1 ea)	165-External Load - 3 - B4B	5068049
C10-4-8	Lock Bushing	2 pcs (2 ea)	165-External Load - 3 - B4B	5074860
P C10-4-9	Upper Roller DU Bearing	1 pcs (1 ea)	165-External Load - 3 - B4B	5029218
C10-41	Strain Relief Connector	1 Ea (1 ea)	165-External Load - 3 - B4B	
C10-5A	Load Beam Assembly	1 pcs (1 ea)	165-External Load - 3 - B4B	
✓ C10-7	Locating Pin	3 pcs (3 ea)	165-External Load - 3 - B4B	5101823
P C10-8 PO	Trunnion Bushing	2 pcs (2 ea)	165-External Load - 3 - B4B	5125590
C10-9-1	Latch	1 pcs (1 ea)	165-External Load - 3 - B4B	
C10-9-2	Latch Bearing	1 Ea (1 ea)	165-External Load - 3 - B4B	5168025
P C10-9-4 PO	Latch Shaft Bearing	2 # 2 pcs (2 ea)	165-External Load - 3 - B4B	5074868 5125643
C10-9-5	Latch Pin	1 pcs (1 ea)	165-External Load - 3 - B4B	5074221 5110011
C10-9-6	Latch Return Spring	2 Ea (2 ea)	165-External Load - 3 - B4B	5080841
C2-14-2	Label Rivets	2 Ea (2 ea)	165-External Load - 3 - B4B	
C3-12-6	Lock Roller Pin Circlip	2 Ea (2 ea)	165-External Load - 3 - B4B	5157956
P C45-12-6 P	Retaining Ring	2 Ea (2 ea)	165-External Load - 3 - B4B	5029303
C45-8-4	Solenoid Cover Gasket	1 pcs (1 ea)	165-External Load - 3 - B4B	5171779
C45-8-5	Solenoid Cover	1 pcs (1 ea)	165-External Load - 3 - B4B	
EL-PLUG-M OK	3-Prong Male Spade Plug	1 Ea (1 ea)	165-External Load - 3 - B4B	5161539
EL314-SJTOW	Long Line Electrical Wire, 14/3 Gauge replace w/t 01004-08-047	1 ft (1 ea)	165-External Load - 3 - B4B	5159114
MS21044N6	Nut, Self-Lock .375-24, UNJF-3B	6 Ea (6 ea)	165-External Load - 3 - B4B	5076012 515644
MS21083N4	Nut	2 Ea (2 ea)	165-External Load - 3 - B4B	5062621-1
MS27039-4-08	Screw	1 Ea (1 ea)	165-External Load - 3 - B4B	5097087-1
NAS1149F0432P	Washer	2 Ea (2 ea)	165-External Load - 3 - B4B	5131202
NAS1149F0463P	Washer	3 Ea (3 ea)	165-External Load - 3 - B4B	5137713
NAS1149F0632P	Washer	12 Ea (12 ea)	165-External Load - 3 - B4B	5048557 5048297
C10-6 TRUNNION				5120950
→ NAS 1149F0663P				5051477-2
GREASE AEROSHELL No 7 (AS138964)				

LOCTITE 620 (5166705)
 LOCTITE 242 (M138933)
 SAF-T-EZE (M128063)

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
110-External Load - 1	C10	1	0	0
165-External Load - 3 - B4B	188-FPSS-1/4-20-3/8	2	100	0
	188-FPSS-1032-1/4	2	194	0
	188-SHCS-1032-3/4	8	276	0
	2595K2	1	19	0
	32446	2	706	0
	32448	2	215	0
	600.1309	1	0	0
	600.1347	1	13	0
	AN4-23A	2	686	0
	AN6-31A	6	58	0
	C10-1	1	6	0
	C10-10-1	1	2	0
	C10-10-2	1	97	0
	C10-10-3	2	17	0
	C10-11	1	9	0
	C10-12	1	6	0
	C10-12-0	1	10	0
	C10-12-1	1	96	0
	C10-2	1	6	0
	C10-21-1	2	54	0
	C10-21-2	2	16	0
	C10-21-4	8	253	0
	C10-22	3	20	0
	C10-23	1	6	0
	C10-23-1	1	49	0
	C10-23-2	1	31	0
	C10-23-3	2	20	0
	C10-3	1	15	0
	C10-4	1	9	0
	C10-4-10	2	88	0
	C10-4-11	1	20	0
	C10-4-2	1	1	0
	C10-4-3	1	1	0
	C10-4-4	1	0	0
	C10-4-5	1	0	0
	C10-4-6	1	14	0
	C10-4-7	1	13	0
	C10-4-8	2	48	0
	C10-4-9	1	12	0
	C10-41	1	28	0
	C10-5A	1	11	0
	C10-7	3	141	0
	C10-8	2	0	0
	C10-9-1	1	21	0
	C10-9-2	1	12	0
	C10-9-4	2	3	0
	C10-9-5	1	14	0
	C10-9-6	2	10	0
	C2-14-2	2	180	0
	C3-12-6	2	52	0
	C45-12-6	2	110	0
	C45-8-4	1	26	0
	C45-8-5	1	19	0
	EL-PLUG-M	1	37	0
	EL314-SJTOW	1	0	0
	MS21044N6	6	57	0
	MS21083N4	2	172	0
	MS27039-4-08	1	226	0
	NAS1149F0432P	2	2,123	0
	NAS1149F0463P	3	509	0
	NAS1149F0632P	12	389	0

Part Specifications

Specifications could not be found.



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Canada

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C10-OH

Job Sheet OH192596



Part No: C10-OH

Job Qty: 1 ea

Lead-time starts after cust. approval

Part Name: C-Series Remote Hook 10,000 lbs Lift Capacity



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 3/28/19

Job Tracking No: RA639

Due Date: 5/23/19

Created By: Jennifer Renwick

Type: Rework - OH

Description: RA639 / Order 14660 / Orig# 3476-01

Note: O&OPM-C10 REV.4 IPP REV:A 18.01.30 NEW ISSUE DD VERF:DP

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
110	External Load - 1	1 pcs	5/23/19		0.00	1.00	External Load - 1		JRK 5167197
							External Load - 2		
							External Load - 3		
120	QC	1 pcs	5/23/19		0.00	0.00	QC5		
130	Customer Acceptance	1 pcs	5/23/19		0.00	0.00			
140	Outsource	1 pcs	5/23/19				SKY002-VC		
150	Packaging	1 pcs	5/23/19		0.00	0.00	Packaging2		
152	Small Fab - 2 - B4B	1 pcs	5/23/19		0.00	0.33	External Load - 1 - B4B		
							External Load - 2 - B4B		
							External Load - 3 - B4B		
							Small Fab - 1 - B4B		
							Small Fab - 2 - B4B		
							Small Fab - 3 - B4B		
							Small Fab - 4 - B4B		
							Small Fab - 5 - B4B		
							Small Fab - 6 - B4B		
							Small Fab - 7 - B4B		
155	Outsource	1 pcs	5/23/19				GRO002-VC	10	
160	QC	1 pcs	5/23/19		0.00	0.00	QC6		
170	Small Fab - 3 - B4B	1 pcs	5/23/19		0.00	1.00	External Load - 1 - B4B		
							External Load - 2 - B4B		
							External Load - 3 - B4B		
							Small Fab - 1 - B4B		
							Small Fab - 2 - B4B		
							Small Fab - 3 - B4B		
							Small Fab - 4 - B4B		
							Small Fab - 5 - B4B		
							Small Fab - 6 - B4B		
							Small Fab - 7 - B4B		
180	QC	1 pcs	5/23/19		0.00	0.00	QC5		
185	DC	1 pcs	5/23/19		0.00	0.00	DC		
190	Packaging	1 pcs	5/23/19		0.00	0.00	Packaging3-2		
200	QC21-FG	1 Ea	5/23/19		0.00	0.00	QC21		

Part Op 110 - TEST ASSEMBLY. DISASSEMBLE ASSEMBLY. INSPECT DAMAGE PART.

Descriptions: 152 - Triage parts to be sent out for plating

155 - Issue P/O; _____-Nickel plate, QQ-N-290, Class 2, Grade E or F -Nickel Plate .0004- .0006 -Bake after plating -Material type; 4140 -Certificate of Conformity is required

170 - RE-ASSEMBLE. ***All assembly to be done in accordance with manual*** TEST ASSEMBLY.

185 - Photocopy blue file and create labels



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Container No: S167197



Part: C10

Job No: OH192596

Serial No/Batch: S167197

Revision: 4

Inspector:

Exp Date:

Instructions:

Date: 04/11/19

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
C10-AR	C-Series Remote Hook 10,000 lbs Lift Capacity	1 Ea (1 ea)	110-External Load - 1	5167079
188-FPSS-1/4-20-3/8	Set Screw	2 Ea (2 ea)	170-Small Fab - 3 - B4B	
188-FPSS-1032-1/4	Set Screw	2 Ea (2 ea)	170-Small Fab - 3 - B4B	
188-SHCS-1032-3/4	Bolt	8 Ea (8 ea)	170-Small Fab - 3 - B4B	
2595K2	Heat Shrink	1 ft (1 ea)	170-Small Fab - 3 - B4B	
32446	Crimp Terminal	2 Ea (2 ea)	170-Small Fab - 3 - B4B	
32448	16-14 AWG Knife Connector	2 Ea (2 ea)	170-Small Fab - 3 - B4B	
600.1309	CANAM Plate ID Label	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
600.1347	C10 Warning Label	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
AN4-23A	Bolt	2 Ea (2 ea)	170-Small Fab - 3 - B4B	
AN6-31A	Bolt	6 Ea (6 ea)	170-Small Fab - 3 - B4B	
C10-1	Side Plate Solenoid Side	1 Ea (1 ea)	170-Small Fab - 3 - B4B	
C10-10-1	Actuator Shaft	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-10-2	Actuator Pin	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-10-3	Actuator Bushing	2 pcs (2 ea)	170-Small Fab - 3 - B4B	
C10-11	Manual Release Knob	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-12	Solenoid	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-12-0	Solenoid	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-12-1	Spring Pin	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-2	Side Plate - MRK	1 Ea (1 ea)	170-Small Fab - 3 - B4B	
C10-21-1	Clock Spring	2 pcs (2 ea)	170-Small Fab - 3 - B4B	
C10-21-2	Spring Cover	2 pcs (2 ea)	170-Small Fab - 3 - B4B	
C10-21-4	Lock Washer	8 Ea (8 ea)	170-Small Fab - 3 - B4B	
C10-22	Lock Bumper	3 pcs (3 ea)	170-Small Fab - 3 - B4B	
C10-23	Keeper Weldment	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-23-1	Keeper Spacer	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-23-2	Keeper Spring	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-23-3	Keeper Bushing	2 pcs (2 ea)	170-Small Fab - 3 - B4B	
C10-3	Load Beam Bumper	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-4	Lock	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-4-10	Spring Anchor Pin	2 pcs (2 ea)	170-Small Fab - 3 - B4B	
C10-4-11	Lock Shaft	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-4-2	Lower Lock Roller	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-4-3	Upper Lock Roller	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-4-4	Upper Lock Roller Shaft	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-4-5	Lower Lock Roller Shaft	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-4-6	Lock Spring	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-4-7	Spring Retaining Pin	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-4-8	Lock Bushing	2 pcs (2 ea)	170-Small Fab - 3 - B4B	
C10-4-9	Upper Roller DU Bearing	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-41	Strain Relief Connector	1 Ea (1 ea)	170-Small Fab - 3 - B4B	
C10-5A	Load Beam Assembly	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-7	Locating Pin	3 pcs (3 ea)	170-Small Fab - 3 - B4B	
C10-8	Trunnion Bushing	2 pcs (2 ea)	170-Small Fab - 3 - B4B	
C10-9-1	Latch	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-9-2	Latch Bearing	1 Ea (1 ea)	170-Small Fab - 3 - B4B	
C10-9-4	Latch Shaft Bearing	2 pcs (2 ea)	170-Small Fab - 3 - B4B	
C10-9-5	Latch Pin	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C10-9-6	Latch Return Spring	2 Ea (2 ea)	170-Small Fab - 3 - B4B	
C2-14-2	Label Rivets	2 Ea (2 ea)	170-Small Fab - 3 - B4B	
C3-12-6	Lock Roller Pin Circlip	2 Ea (2 ea)	170-Small Fab - 3 - B4B	
C45-12-6	Retaining Ring	2 Ea (2 ea)	170-Small Fab - 3 - B4B	
C45-8-4	Solenoid Cover Gasket	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
C45-8-5	Solenoid Cover	1 pcs (1 ea)	170-Small Fab - 3 - B4B	
EL-PLUG-M	3-Prong Male Spade Plug	1 Ea (1 ea)	170-Small Fab - 3 - B4B	
EL314-SJTOW	Long Line Electrical Wire, 14/3 Gauge	1 ft (1 ea)	170-Small Fab - 3 - B4B	
MS21044N6	Nut, Self-Lock .375-24,UNJF-3B	6 Ea (6 ea)	170-Small Fab - 3 - B4B	
MS21083N4	Nut	2 Ea (2 ea)	170-Small Fab - 3 - B4B	
MS27039-4-08	Screw	1 Ea (1 ea)	170-Small Fab - 3 - B4B	
NAS1149F0432P	Washer	2 Ea (2 ea)	170-Small Fab - 3 - B4B	
NAS1149F0463P	Washer	3 Ea (3 ea)	170-Small Fab - 3 - B4B	
NAS1149F0632P	Washer	12 Ea (12 ea)	170-Small Fab - 3 - B4B	

Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
110-External Load - 1	C10	1	0	0
	188-FPSS-1/4-20-3/8	2	114	0
170-Small Fab - 3 - B4B	188-FPSS-1032-1/4	2	204	0
	188-SHCS-1032-3/4	8	274	0
	2595K2	1	19	0
	32446	2	712	0
	32448	2	219	0
	600.1309	1	0	0
	600.1347	1	13	0
	AN4-23A	2	690	0
	AN6-31A	6	58	0
	C10-1	1	6	0
	C10-10-1	1	2	0
	C10-10-2	1	97	0
	C10-10-3	2	17	0
	C10-11	1	9	0
	C10-12	1	6	0
	C10-12-0	1	10	0
	C10-12-1	1	96	0
	C10-2	1	6	0
	C10-21-1	2	54	0
	C10-21-2	2	16	0
	C10-21-4	8	253	0
	C10-22	3	20	0
	C10-23	1	6	0
	C10-23-1	1	49	0
	C10-23-2	1	31	0
	C10-23-3	2	20	0
	C10-3	1	15	0
	C10-4	1	9	0
	C10-4-10	2	88	0
	C10-4-11	1	20	0
	C10-4-2	1	1	0
	C10-4-3	1	1	0
	C10-4-4	1	0	0
	C10-4-5	1	0	0
	C10-4-6	1	14	0
	C10-4-7	1	13	0
	C10-4-8	2	9	0
	C10-4-9	1	12	0
	C10-41	1	28	0
	C10-5A	1	11	0
	C10-7	3	141	0
	C10-8	2	0	0
	C10-9-1	1	21	0
	C10-9-2	1	10	0
	C10-9-4	2	3	0
	C10-9-5	1	18	0
	C10-9-6	2	10	0
	C2-14-2	2	182	0
	C3-12-6	2	52	0
	C45-12-6	2	114	0
	C45-8-4	1	9	0
	C45-8-5	1	19	0
	EL-PLUG-M	1	42	0
	EL314-SJTOW	1	718	0
	MS21044N6	6	59	0
	MS21083N4	2	172	0
	MS27039-4-08	1	229	0
	NAS1149F0432P	2	1,341	0
	NAS1149F0463P	3	525	0
	NAS1149F0632P	12	389	0
Part Specifications				
Specifications could not be found.				

Plex 3/28/19 9:16 AM Dart.Renwick.Jennifer

Order
14660

Inspection Sheet Complete
RA639

Customer QA Ref #

0

Part Number	Original Batch / Serial # / Ctrl #	Original Revision #	Quantity	Part Complete	Rev/CHG Current	New Paperwork	New Labels	Disposition	Original Container #	New (Receiving) Serial #	New Job #	Work order instructions
C10	3476-01		1	☒ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED		S167079		Overhaul
SWA10A-2	AC10014		1	☒ Yes	☐ Yes	☐ Yes	☐ Yes	CUSTOMER SUPPLIED		S167080		Overhaul
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					
0			0	☐ Yes	☐ Yes	☐ Yes	☐ Yes					

QC Approval: _____ 0

Date: 0-Jan-00 _____

Special Return/Rework Instructions:

Pre test

Work Order

192596

Customer

RA 639

Serial Number

Date

2019-3-28

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	25,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	5,000	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	10,000	Electircal, 22 volts	Current shall not exceed 12.4A	Amp.	Fail
2	7,500	Electircal, 22 volts	Current shall not exceed 12.4A	9.0 Amp.	Pass
2	5,000	Electircal, 22 volts	Current shall not exceed 12.4A	9.0 Amp.	Pass
2	2,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.5 Amp.	Pass
2	500	Electircal, 22 volts	Current shall not exceed 12.4A	8.5 Amp.	Pass
1	10,000	Electircal, 20 volts	Current shall not exceed 11.3A	7.8 Amp.	Pass
1	10,000	Electircal, 28 volts	Current shall not exceed 15.8A	10.5 Amp.	Pass
1	10,000	Manual		N/A	Pass
1	10,000	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ohms	2.0 Ohms	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By

Michael Labadie

Technician

Signature:

QC 5 Small FAB / QA**Submit**



Overhaul Incoming Inspection
C10 Cargo Hook

Customer

OH192596 / RA639 ORDER 14660

Date

2019/04/01

Part Number

C10

Serial Number

3476-01

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

(1) C10-6 LOAD BEAM TRUSION

☐

(1) C10-4-3 UPPER LOCK ROLLER

☐

(1) C10-4-2 LOWER LOCK ROLLER

☐

(1) C10-4-5 LOWER LOCK ROLLER SHAFT

☐

(1) C10-12 SELENOID

☐

(1) C10-11 RELEASE KNOB

☐

(1) EL-PLUG - MALE SPADE PLUG

☐☐☐☐

Inspected By

ALAN PATRY

Work Order OH 192596

Customer RA 639 / ORDER 14660

Serial Number 3476-01

Date 2019/04/01
MAGNAFLUX

Part Number	Description	Quantity	
C10-4	Lock	1	
C10-4-2	Lower Lock Roller	1	
C10-4-3	Upper Lock Roller	1	
C10-4-4	Upper Roller Pin	1	
C10-4-5	Lower Roller Pin	1	
C10-4-11	Lock Pivot Shaft	1	
C10-5	Load Beam	1	
C10-9-1	Latch	1	
C10-9-5	Latch Pin Pivot	1	
C10-10-1	Actuator Shaft	1	
C10-23-11	Keeper Spacer	1	

C10-23
KEEPER
1
ZYGLO

Part Number	Description	Quantity	Pass/Fail
C10-1	Side Plate Solenoid	1	
C10-2	Side Plate	1	

Test Conducted By:

Signature: _____



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO043067



Supplier: SKY002-VC
Skyservice
6120 Midfield Road
Mississauga
ON
L5P 1B1 Canada
Phone: 905-678-5636
Fax: 905-678-5841

Attention: Jenne, Heather

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO043067

PO Date: 4/3/19

Due Date: 4/11/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

Via: Ground

Pymt Terms: Net 30

Freight Terms:

Special Comments:

APR 10 2019

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH192808	SWA3-3-OH	Electric Swivel 3,000 lb Safe Work Load (1,360 kg)	Firmed	-	4/11/19	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
Line Item Note MAGNAFLUX											
2	OH192596	C10-OH	C-Series Remote Hook 10,000 lbs Lift Capacity ISSUE P/O: _____ C OF C IS REQUIRED	Firmed	-	4/11/19	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
Line Item Note MAGNAFLUX											
3	OH192597	SWA10A-2-OH	Electric Swivel 10,000 lb Safe Work Load (4,536 Kg)	Firmed	-	4/11/19	1 pcs	0 pcs	1 pcs	\$178.00/pcs	\$178.00
Line Item Note MAGNAFLUX											
Grand Total:											\$534.00



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO043067



Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

A handwritten signature in black ink, appearing to be "CL" followed by a stylized flourish.

Plex 4/10/19 12:42 PM dart.lavoie.chantal

**skyservice****Work Order Traveler**

Sky Service F.B.O. Inc.

10105 Ryan Avenue, Dorval, Quebec, H9P 1A2

TCCA AMO 53-89 / EASA 145.7142 / BDA AMO 385

WO #: MWO39921	Customer: Dart Aerospace Ltd.	Dept: NDT YUL	Reference: PO043067
Descr:	PN:	S/N:	Qty: 1
Make:	Model:	Reg:	A/C S/N:
TSN:	CSN:	TSO:	
Task: UNSCHEDULED			Sequence: 1

Work Required:

CARRY OUT NDT ON :

1 ELECTRIC SWIVEL(2 PCS), P/N# SWA3-3 -OH , J/S# OH192808

1 C-SERIES REMOTE HOOK (11 PCS), P/N# C10-OH , J/S# OH192596

1 ELECTRIC SWIVEL (6 PCS), P/N# SWA10A-2-OH , J/S# OH192597

Action Taken:						Date:	Initial/Stamp:
LPI & MPI CARRIED OUT IAW ASTM E-1417M-16 AND ASTM E-1444M-16 ***NO CRACK FOUND*** PEN , ZL-37 MPO#: 23206 CLEANER SKC-S MPO15030, EMU.(ZR-10B, MPO23451), DEV. MPO15030, UV LIGHT M-20142 MAGBENCH S/N 208123 CAL DUE: 25-SEP-2019 POWDER 14A BATCH# MPO13600 CARRIER II BATCH# MPO22794 BLACK LIGHT-M20186						APR 09 2019	
Description	Location	P/N	Qty	Batch	S/N Off	S/N On	

I certified that the maintenance described above has been performed in accordance with the applicable standard of airworthiness.

Signature:	ACA/SCA Stamp	Date:
Name: RAFIK MELIKIAN		APR 09 2019



DATE: 209/04/15

NICKEL PLATING

MODEL: C10

S/N : 3476-01

JOB : OH192596

ORDER : 14660

P/N	DESCRIPTION	QUANTITY
C10-9-1	HATCH	1
C10-10-1	ACTUATOR SHAFT	1
C10-4-4	UPPER LOCK ROLLER SHAFT	1
C10-23-1	KEEPER SPACER	1
C10-5A	LOAD BEAM ASSY	1
C10-23	KEEPER	1
	TOTAL	6



approved

Overhaul Incoming Inspection
C10 Cargo Hook

Customer OH192596 / RA639 ORDER 14660

Date 2019/04/01

Part Number C10

Serial Number 3476-01

Additional Recommended Replacement Parts

Part Number to Replace

Customer Approval

- PO. Stock*
- (1) C10-6 LOAD BEAM TRUSION
 - (1) C10-4-3 UPPER LOCK ROLLER -
 - (1) C10-4-2 LOWER LOCK ROLLER
 - (1) C10-4-5 LOWER LOCK ROLLER SHAFT
 - (1) C10-12 SELENOID
 - (1) C10-11 RELEASE KNOB
 - (1) EL-PLUG-M MALE SPADE PLUG

- ☒
- ☒ - STK P
- ☒ - STK P
- ☒ - STK P
- ☒ - STK - more
- ☒ - STK, P, Reg
- ☒ - STK more
- ☐
- ☐
- ☐

Inspected By ALAN PATRY



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

ORDER ACKNOWLEDGEMENT

CUSTOMER	ORDER
Customer Code: CHELI06 Sold To: Helikorea 282-16 Daewha-dong, Daejeon Daedukgu 306-020 Korea Phone: +82-42-620-5135 Fax: +82-42-633-8990 Ship To: Helikorea 282-16 Daewha-dong, Daejeon Daedukgu 306-020 Korea Phone: 011 82 42 633 8900	Order No : 14660 Date: 4/11/19 Ship-To Contact: Andy Shin Email: smw1516@helikorea.co.kr Cust PO No: AIR19-0036 FOB: Shipping Point Ship Via: Freight Terms: Collect Terms: Net 30 INCO Terms: Ex Works Order Taker: Ernest Guo Order Taker Phone: Order Taker Email: eguo@dartaero.com

Line No	Due Date	Ship Date	Part	Description/Note	Quantity	Unit	Price	Unit	Extended Price
1	5/23/19	5/23/19	C10	C-Series Remote Hook 10,000 lbs Lift Capacity	1	pcs	\$1,491.00USD	pcs	\$1,491.00 USD
2	5/23/19	5/23/19	SWA10A-2	Electric Swivel 10,000 lb Safe Work Load (4,536 Kg)	1	pcs	\$900.00USD	pcs	\$900.00 USD
Sub Total									\$2,391.00 USD
Grand Total									\$2,391.00 USD

ORDER NOTES

Came in on RA639
 C10-6, 366 USD
 C10-4-3, 97 USD
 C10-4-2, 105 USD
 C10-4-5, 57 USD
 C10-12, 762 USD
 C10-11, 425 USD
 C10-C(cage), 2145 USD
 EL-PLUG-M, 38 USD
 SWA6A-900A, 246 USD
 EL-PLUG-F, 26 USD
 EL-PLUG-M, 38 USD
 SWA10A-700, 52 USD



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO043200



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

Attention: Grenon, Sylvie

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: PO043200

PO Date: 4/15/19

Due Date: 4/22/19

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Phone:

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	OH192596	C10-OH	C-Series Remote Hook 10,000 lbs Lift Capacity -Issue P/O; _____ Nickel plate, QQ-N-290, Class 2, Grade E or F - Nickel Plate .0004- .0006 - Bake after plating -Material type; 4140 -Certificate of Conformity is required	Firmed xl	-	4/22/19 APR 22 2019	1 pcs	0 pcs OP	1 pcs	\$400.00/pcs	\$400.00

Grand Total: \$400.00

Order Notes

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 4/16/19 9:14 AM dart.Lussier.Patrick



Certificat de Conformité / Certificate of Compliance

(018515-1)

2455, Rue Halpern | Saint-Laurent | Québec | H4S 1N9
 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupaltech.com

Bon de Livraison / Packing Slip

018515-1

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By		Transport / No de Compte Courier / Acc. No.		Bon de commande Client Customer Purchase Order No.				
18-Apr-2019		SPARTAKOS BOUNTOURIS				PO043200				
#Ligne Line#	No. de Série / # Pièce Part Number /Line Item Details Job # / Ref #	Description pièce(s)		CATG. U/M	Comm. /Ordered	Exp/ Shipped	Quantités / Quantities Qté NC/ NC Qty		Qté Scrap/	À venir/ Back Order
1	C10-OH Rev.	C10-OH SANDBLAST PAINT PARTS STRIP NICKEL PARTS NICKEL PLATE QQ-N-290 CLASS 2 GRADE E OR F 0.0004-0.0006 BAKE AFTER PLATING		E-NICKEL-500 LOT	1	1	0	0		DAS ⁰ 68 9-89

 DAS 0
 68
 9-89

Notes Additionnelles / Additional Notes

1 box

Epaisseur réelle
Actual Thickness
Inspecteur Qualité
Quality Inspector
Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.

Jennifer Renwick

From: Ernest Guo
Sent: Tuesday, April 09, 2019 9:26 PM
To: Jennifer Renwick
Subject: RE: external load R&O order 14660

Alain

RA639
OH192596

Hi Jenn,

Customer doesn't want to replace the cage as that's too expensive, is that mandatory or still okish?

Best Regards,

Ernest Guo

Inside Sales Representative – Asia Pacific

DART AEROSPACE

M +61 413763795

1 800 556- 4166

www.dartaerospace.com

For *technical support*, click [here](#).

To access *technical documentation*, create your account [here](#).



From: Jennifer Renwick

Sent: Friday, 5 April 2019 11:19 PM

To: Ernest Guo <eguo@dartaero.com>

Subject: RE: external load R&O order 14660

Hi Ernest,

I hope you are well! I am always happy to help you in any way ☺

Serial numbers are as follows:

C10 (3476-01)

SWA10A-2 (AC10014)

The hook cage part# is C10-C and you would use the selling price – no extra fees as it would be part of the overhaul.

Thank you,
Jen

From: Ernest Guo <eguo@dartaero.com>

Sent: Friday, April 05, 2019 2:30 AM

To: Jennifer Renwick <jrenwick@dartaero.com>

Subject: RE: external load R&O order 14660

Hi Jenn,

I am still pending customer's approval from the end user, could you please let me know what's the PN for just the cage and how much does it cost to replace? Any additional labour fees etc?

And btw, could you please confirm the serial NO of the hook and swivel in question, as customer confirmed they have sent us multiple ones, so they need to clear on their end, which one belongs to which end user.

Apologies for the trouble to drag you away from your probably already busy planning days.

Best Regards,

Ernest Guo

Inside Sales Representative – Asia Pacific

DART AEROSPACE

M +61 413763795

1 800 556- 4166

www.dartaerospace.com

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To access technical documentation, create your account [here](#).



From: Jennifer Renwick

Sent: Wednesday, 3 April 2019 1:21 AM

To: Ernest Guo <eguo@dartaero.com>

• **Cc:** Jennifer Renwick <jrenwick@dartaero.com>
Subject: FW: external load R&O order 14660

Hi Ernest,

Please disregard last e-mail. The inspector has added another PN# SWA10A-700 to the swivel overhaul, please see attached revised.

The cage recommendation still stands:

We also recommend that the cage be changed out even though it is not added to the sheet, please see the attached pictures. It is in very bad shape.

Once we get the customer's approval to proceed the order Can be flipped to open and the lead-time will start.

Kind regards,
Jen

From: Jennifer Renwick
Sent: Tuesday, April 02, 2019 9:00 AM
To: Ernest Guo <eguo@dartaero.com>
Subject: RE: external load R&O order 14660

Hi Ernest,

The customers hook and swivel have been inspected, please see the attached extra parts that should be changed out for each.

We also recommend that the cage be changed out even though it is not added to the sheet, please see the attached pictures. It is in very bad shape.

Once we get the customer's approval to proceed the order Can be flipped to open and the lead-time will start.

Kind regards,
Jen

From: Support Eugene
Sent: Wednesday, March 20, 2019 9:11 AM
To: Ernest Guo <eguo@dartaero.com>
Cc: Support Eugene <support.or@dartaero.com>
Subject: RE: external load R&O order 14660

Hi Ernest,

Please see attached.

Thank you,
Jen

From: Ernest Guo <eguo@dartaero.com>
Sent: Monday, March 18, 2019 10:27 PM
To: Support Hawkesbury <support.on@dartaero.com>
Subject: external load R&O order 14660

Hi team,

Could you please issue a return form for subject R&O order?

PO received and attached to the order already.

Thanks very much.

Best Regards,

Ernest Guo
Inside Sales Representative – Asia Pacific

DART AEROSPACE
M +61 413763795
1,800 556- 4166
www.dartaerospace.com

For *technical support*, click [here](#).
To access *technical documentation*, create your account [here](#).





Remote Cargo Hook Test Form

C10

Work Order

192596

Customer

RA 639

Serial Number

S 167197

Date

2019-4-24

# of Releases	Load (Lbs.)	Release Method	Remarks	Result	Pass/fail
1	25,000	Static Hold	Hold for two Minutes and reduce load to zero	N/A	Pass
10	5,000	Electircal, 25 volts	No "hang ups" permitted	N/A	Pass
2	10,000	Electircal, 22 volts	Current shall not exceed 12.4A	9.3 Amp.	Pass
2	7,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.6 Amp.	Pass
2	5,000	Electircal, 22 volts	Current shall not exceed 12.4A	9.0 Amp.	Pass
2	2,500	Electircal, 22 volts	Current shall not exceed 12.4A	8.5 Amp.	Pass
2	500	Electircal, 22 volts	Current shall not exceed 12.4A	8.3 Amp.	Pass
1	10,000	Electircal, 20 volts	Current shall not exceed 11.3A	8.2 Amp.	Pass
1	10,000	Electircal, 28 volts	Current shall not exceed 15.8A	10.2 Amp.	Pass
1	10,000	Manual		N/A	Pass
1	10,000	Impact Test	Impact shackle 10 times, shall not release	N/A	Pass
1	N/A	Solenoid Ohms	Shall not exceed 1.7-2.0 Ohms	2.0 Ohms	Pass
1	N/A	Electircal Continuity	Across both wires	N/A	Pass

Test Conducted By

Michel Lalonde

Technician

Signature:

Sylvie Pouche

QC 5 Small FAB / QA

Submit

RETURN AUTHORIZATION



RA #: RA639
Date: March 20, 2019
Attention: Andy Shin
E-mail: N/A
From: Jennifer Renwick

RETURN ADDRESS

☒ Hawkesbury	☐ Vista	☐ Broussard
Dart Aerospace Ltd	Dart Aerospace Ltd.	Dart Aerospace Ltd.
1270 Aberdeen Street	3030 Enterprise Court, Suite A	105 Dairy Lane
Hawkesbury, ON K6A 1K7, CA	Vista, CA 92081-8347, US	Broussard, LA 70518, US
1-613-632-3336	1-760-724-5300	1-337-839-0500

SHIPPING

Courier: Customers Choice
Account #: Customers Account

COMMERCIAL INVOICE INFORMATION

Item #1		Item #2	
P/N:	C10	P/N:	SWA10A-2
Special Return/Rework Instructions:	Hook	Description:	Swivel
Qty:	1	Qty:	1
Flown:	N/A	Flown:	N/A
Customs Value USD:	\$1,491	Customs Value USD:	\$900
Batch / Serial #	3476-01	Batch / Serial #	AC 10014
Item #3		Item #4	
P/N:	0	P/N:	0
Description:	0	Description:	0
Qty:	0	Qty:	0
Flown:	0	Flown:	0
Customs Value USD:	\$0	Customs Value USD:	\$0
Batch / Serial #	0	Batch / Serial #	0
Item #5		Item #6	
P/N:	0	P/N:	0
Description:	0	Description:	0
Qty:	0	Qty:	0
Flown:	0	Flown:	0
Customs Value USD:	\$0	Customs Value USD:	\$0
Batch / Serial #	0	Batch / Serial #	0

ADDITIONAL RETURN AUTHORIZATION INFORMATION

- Print RA form, complete Part Disposition section and include a copy with the shipment.
- Ensure the RA number is referenced on all documents. Failure to do so may result in delivery refusal.
- Ensure the shipment is directed to the correct facility referenced above. Failure to do so will result in delays and additional shipping costs.
- Commercial invoice must include the following statement: "Parts are aircraft parts being returned to the manufacturer."
- International shipments require commercial invoice attached to the outside of the box.
- Where applicable, the original Release Certificate, STC's, Installation Instructions, Maintenance Manual Supplement, Flight Manual Supplement, packing slips and removable tag must accompany the shipment.
- Return authorization expires in 30 days. If no charge products were supplied, these will be invoiced upon expiration of the RA.
- Returned items will be fully inspected by Quality Control and credit will be issued for items deemed to be new, un-flown, traceable and to the current revision.
- A 15% minimum restocking fee applies, additional fees may apply upon receipt and inspection if items require rework or cannot be returned to stock
- Items should be adequately packaged to prevent shipping damage.
- For complete terms & conditions, visit www.dartaerospace.com

PART DISPOSITION (To be completed and returned by customer)

Reason for return:

H:\Forms\Quality Assurance\approved QA Online\RA revK

EXPRESS WORLDWIDE **WPX** **DHL**

2019-03-21 MYDHL+ 1.0 / *30-0821*

From : HELIKOREA Co., Ltd.
Kwangho Song
HANBAT-DAERO 1003 BEON-GIL 158
DAEDEOK-GU

Origin:
TAE

34376 DAEJEON
Korea, Republic of (South K.)

Contact: +82426205134

To : Dart Aerospact Ltd
Jennifer Renwick
1270 Aberdeen Street

Contact:
Jennifer Renwick
+16136323336
eguo@dartaero.com

K6A 1K7 HAWKESBURY ON

Canada

CVGH CA-YOW-YRO

C

Day Time

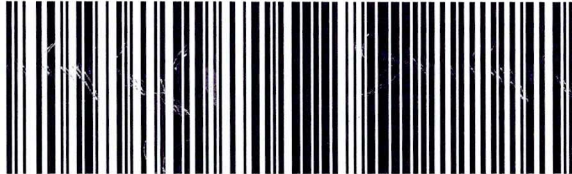
Ref:

Pce/Shpt Weight Piece
42.6 kg 1 / 1

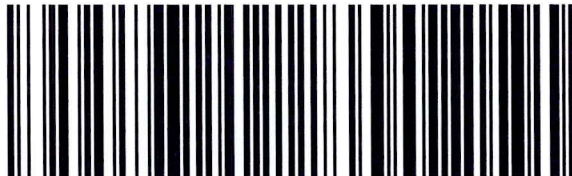


WAYBILL 11 7873 9623

Contents: Remote
Cargo Ho ok (P/N C10,
S/N 3476-01) Electric
Swivel (P/N SWA 10A-
2, S/N 10014) H.S Cod
e 8803.30-2000



(2L)CAK6A1K7+48000001



(J) JD01 4600 0066 7985 2328

RA639

Waiting
for Job #

Received Date:

28-Mar-2019

Inspection date:

04 192596

QC Approval:

04 192597

REWORK/REPAIR/OVERHAUL			
Part Number	Description	Quantity	Original Batch # / Serial # & Revision TAT
FALS		FALS	
FALS		FALS	

PACKING LIST

Seller: Helikorea Co., LTD. 158, Hanbat-daero 1003beon-gil, Daedeok-gu, Daejeon, 306-801, Korea TEL : 82-42-633-8900, FAX : 82-42-633-8990	Invoice No.and date: HK190321-Dart / 21, Mar. 2019
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Consignee: Dart Aerospace 1270 Aberdeen Street Hawkesbuty, ON K6A 1K7, CA TEL: 1-613-632-3336	L/C No.and date: N/A
--	--

Departure date:	Buyer (if other than consignee) : N/A
-----------------	--

Vessel/flight:	FROM:	Other reference:
By AIR	Korean Airport	Overhaul

To: Dart Aer U.S.A Airport	HS CODE: 8803.30-2000
---	-------------------------------------

Shipping Marks:	No.& kind of pkrs:	Qty or net weight:	Gross Weight:	Measurement
	Goods description			

Goods	No.	Nomenclature	P/N	Qty	N/Wt	G/Wt	CBM
Description:	1	Remote Cargo Hook	C10	1		42.6 Kg	80 X 63 X 60
	2	Electric Swivel	SWA10A-2	1			
No.of Cartons:	1	Note: Customs Purpose Only! Not for Sale!					
TOTAL				2 pcs			

Part Aer	
✕ Remarks : Above all items are to be repaired at above mentioned company and they are to be returned to original owner after repair. Parts are aircraft parts being returned to the manufacturer.	
COUNTRY OF ORIGIN : U.S.A	Signed by
RA#: RA639	

Commercial Invoice

Seller: Helikorea Co., LTD. 158, Hanbat-daero 1003beon-gil, Daedeok-gu, Daejeon, 306-801, Korea TEL : 82-42-633-8900, FAX : 82-42-633-8990	Invoice No.and date: HK190321-Dart / 21, MAR 2019
---	---

Consignee: Dart Aerospace 1270 Aberdeen Street Hawkesbury, ON K6A 1K7, CA TEL: 1-613-632-3336	L/C No.and date: N/A
--	------------------------------------

Departure date:	Buyer (if other than consignee) : N/A
------------------------	---

Vessel/flight: By Air	FROM: Korean Airport	Other reference: Overhaul
---------------------------------	--------------------------------	-------------------------------------

To: Dart Aerospace U.S.A Airport	Terms of delivery and payment:
---	---------------------------------------

Goods	No.	Nomenclature	P/N	S/N	Qty	Unit Price	Amount
Description:	1	Remote Cargo Hook	C10	3476-01	1	\$1,491.00	
	2	Electric Swivel	SWA10A-2	10014	1	\$900.00	
No.of Cartons: 1	Note: Customs Purpose Only! Not for Sale!						
TOTAL					2	\$2,391	

////////////////////////////////////

※ Remarks : Above all items are to be repaired at above mentioned company
and they are to be returned to original owner after repair.
Parts are aircraft parts being returned to the manufacturer.

COUNTRY OF ORIGINS : U.S.A

RA#: RA639

Signed by